



Alan C. Lloyd, Ph.D.
Agency Secretary
Cal/EPA



Department of Toxic Substances Control

5796 Corporate Avenue
Cypress, California 90630



Arnold Schwarzenegger
Governor

January 13, 2005

Mr. Philip Mook
AFBCA/DD-Norton BRAC Environmental Coordinator
3411 Olson Street
McCellan, California 95652-1071

DRAFT FINAL CLOSURE REPORT, AREA OF CONCERN (AOC) 40, NORTON AIR FORCE BASE (NAFB)

Dear Mr. Mook:

The Department of Toxic Substances Control (DTSC) received the above referenced document for NAFB on December 17, 2004. This report documents the removal of sheds, foundations, and contaminated soil at AOC 40 and presents confirmation sampling results. The Air Force (AF) conducted four excavations in four areas at AOC 40, removed a total of 440 cubic yards of contaminated soil, and disposed excavated soil from the site. At Area 1, confirmation sampling result indicates that three samples contain arsenic above the background value of 1.5 mg/kg with a maximum concentration of 3.1 mg/kg. One of these samples also has a PCB concentration of 0.45 mg/kg which is above the EPA Region 9 PRG of 0.22 mg/kg. At Areas 2 through 4, arsenic is the only chemical with concentrations above EPA Region 9 PRG. The highest arsenic concentration at these areas is 3.0 mg/kg.

The AF performed a human health risk assessment to calculate risks for industrial worker and child/adult residents. Estimated child excess cancer risk is 9.5×10^{-6} and the adult excess cancer risk is 1.2×10^{-6} . The non-cancer health index for children is 0.8 and for adults is 0.027. The high excess cancer risk to children is caused by arsenic (8.7×10^{-6}) which is believed to be naturally occurring. The AF proposes no further action for AOC 40.

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DTSC concurs with the conclusion and has no comments to be forwarded to the AF. If you have any questions regarding this letter, please contact Mr. Stephen Niou at (714) 484-5458.

Sincerely,

A handwritten signature in black ink, appearing to read "Manny Alonzo". The signature is fluid and cursive, with the first name "Manny" and last name "Alonzo" clearly distinguishable.

Manny Alonzo, Unit Chief
Base Closure Unit
Office of Military Facilities
Southern California Operations Branch

cc: Mr. James Chang, SFD-8-1
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, California 94105

Mr. John Broderick
Regional Water Quality Control Board
Region 8
3737 Main Street, #500
Riverside, California 92501

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bcc: Ms. Yolanda Garza, Unit Chief
Department of Toxic Substances Control
Permits and Corrective Action Branch
Glendale Office

Ms. Chia-Rin Yen
Department of Toxic Substances Control
Permits and Corrective Action Branch
Glendale Office

